## **Table ENG-2. - Construction Materials**

New Kent County, Virginia

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The smaller the value, the greater the limitation.

Map Symbol and Soil Name	Pct of	Potential Source of Reclaimation Material		Potential Source of Roadfill		Potential Source of Topsoil	
ana com Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1A:							
Altavista	85	Fair	0.12	Fair	0.00	Fair	0.53
		Low content of organic matter	0.13	Low strength Depth to saturated	0.22 0.53	Depth to saturated zone	0.53
		Too acid	0.21	zone	0.00	Too acid	0.76
2A:							
Altavista	50	Fair		Fair		Fair	
		Low content of	0.13	Low strength	0.22	Depth to saturated	0.53
		organic matter Too acid	0.21	Depth to saturated zone	0.53	zone Too acid	0.76
		100 acid	0.21	20116		100 acid	0.70
Dogue	30	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid Low content of	0.12 0.13	Depth to saturated zone	0.76	Too acid Depth to saturated	0.60 0.76
		organic matter	0.13	Shrink-swell	0.99	zone	0.70
Roanoke	5	Not Rated		Not Rated		Not Rated	
3A:							
Augusta	80	Fair		Fair		Fair	
		Low content of	0.13	Depth to saturated	0.14	Depth to saturated	0.14
		organic matter Too acid	0.54	zone Low strength	0.22	zone Too acid	0.98
			0.0 .	-	0		0.00
Tomotley	3	Not Rated		Not Rated		Not Rated	
Nimmo	2	Not Rated		Not Rated		Not Rated	
4A:							
Bohicket	80	Poor		Poor		Poor	
		Sodium content Too clayey	0.00 0.08	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Salinity	0.50	Low strength	0.00	Sodium content	0.00
		•		Shrink-swell	0.39	Salinity	0.00
Johnston	5	Not Rated		Not Rated		Not Rated	
Mattan	4	Not Rated		Not Rated		Not Rated	
Lanexa	3	Not Rated		Not Rated		Not Rated	
5A:							
Bojac	75	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.92
		Low content of organic matter	0.13				
		Too acid	0.39				

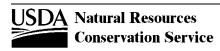
Map Symbol and Soil Name	Potential Source Pct of Reclaimation Mate			Potential Source al of Roadfill		Potential Source of Topsoil	
and Son Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
6B:							
Caroline	85	Fair		Poor		Fair	
		Too clayey	0.08	Low strength	0.00	Too Clayey	0.05
		Too acid Low content of organic matter	0.12 0.13	Shrink-swell	0.91	Too acid	0.60
7B:							
Caroline	40	Fair		Poor		Fair	
		Too clayey	0.08	Low strength	0.00	Too Clayey	0.05
		Too acid	0.12	Shrink-swell	0.91	Too acid	0.60
		Low content of organic matter	0.13				
Emporia	35	Fair		Fair		Fair	
		Low content of organic matter	0.13	Low strength	0.22	Too acid	0.98
		Too acid	0.54				
7C:							
Caroline	40	Fair		Poor		Fair	
		Too clayey	0.08	Low strength	0.00	Too Clayey	0.05
		Too acid Low content of organic matter	0.12 0.13	Shrink-swell	0.91	Too acid	0.60
Emporia	35	Fair		Fair		Fair	
		Low content of organic matter	0.13	Low strength	0.22	Too acid	0.98
		Too acid	0.54				
8A:							
Catpoint	85	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.13				
9A:							
Conetoe	80	Poor		Good		Poor	
		Wind erosion	0.00			Too sandy	0.00
		Too sandy Low content of organic matter	0.00 0.13			Too acid	0.98
10B:							
Craven	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Shrink-swell	0.87	Too acid	0.60
		Low content of organic matter	0.13	Depth to saturated zone	0.89	Depth to saturated zone	0.89

Map Symbol and Soil Name	Potential Source Pct of Reclaimation Mate					Potential Source of Topsoil	
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
10C:			•				
Craven	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid  Low content of organic matter	0.12 0.13	Shrink-swell Depth to saturated zone	0.87 0.89	Too acid Depth to saturated zone	0.60 0.89
11B:							
Craven	40	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Shrink-swell	0.87	Too acid	0.60
		Low content of organic matter	0.13	Depth to saturated zone	0.89	Depth to saturated zone	0.89
Caroline	25	Fair		Poor		Fair	
		Too clayey	0.08	Low strength	0.00	Too Clayey	0.05
		Too acid  Low content of organic matter	0.12 0.13	Shrink-swell	0.91	Too acid	0.60
12B:							
Craven	40	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Shrink-swell	0.87	Too acid	0.60
		Low content of organic matter	0.13	Depth to saturated zone	0.89	Depth to saturated zone	0.89
Uchee	35	Poor		Good		Poor	
		Wind erosion	0.00	No shrink-swell	>0.99	Too sandy	0.00
		Too sandy Too acid	0.00 0.32	limitation		Too acid	0.88
13A:							
Dogue	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Depth to saturated	0.76	Too acid	0.60
		Low content of organic matter	0.13	zone Shrink-swell	0.99	Depth to saturated zone	0.76
Roanoke	5	Not Rated		Not Rated		Not Rated	
14A:							
Dragston	80	Fair		Fair		Fair	
		Low content of organic matter	0.13	Depth to saturated zone	0.29	Depth to saturated zone	0.29
		Too acid	0.32			Too acid	0.88
Nimmo	5	Not Rated		Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated		Not Rated	
15B:							

Map Symbol and Soil Name	Pct of			Pct of Reclaimation Material of Roadfill of				Potential Sourc of Topsoil	е
and som Hame	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value		
5B:									
Emporia	80	Fair  Low content of organic matter  Too acid	0.13 0.54	Fair Low strength	0.22	Fair Too acid	0.98		
0.4									
6A: Johnston	85	Fair		Poor		Poor			
ooniis.cii	00	Too acid	0.50	Depth to saturated zone	0.00	Depth to saturated zone	0.00		
						Too acid	0.88		
Bohicket	3	Not Rated		Not Rated		Not Rated			
Lanexa	3	Not Rated		Not Rated		Not Rated			
Nimmo	3	Not Rated		Not Rated		Not Rated			
Tomotley	2	Not Rated		Not Rated		Not Rated			
7B:									
Kempsville	80	Fair Low content of organic matter	0.13	Good		Fair Rock fragments Too acid	0.88 0.98		
		Too acid	0.54						
8B:									
Kempsville	80	Fair  Low content of organic matter  Too acid	0.13 0.54	Good		Fair Rock fragments Too acid	0.88 0.98		
9B:									
Kempsville	50	Fair Low content of	0.13	Good		Fair	0.88		
		organic matter Too acid	0.13			Rock fragments Too acid	0.98		
			0.01						
Emporia	30	Fair  Low content of organic matter	0.13	Fair Low strength	0.22	Fair Too acid	0.98		
		Too acid	0.54						
9C:									
Kempsville	50	Fair		Good		Fair			
		Low content of organic matter Too acid	0.13 0.54			Rock fragments Too acid	0.88 0.98		

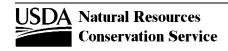


Map Symbol and Soil Name	Pct of	Potential Source of Reclaimation Ma		Potential Source of Roadfill			е
and John Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
19C:							
Emporia	30	Fair		Fair		Fair	
		Low content of organic matter	0.13	Low strength	0.22	Too acid	0.98
		Too acid	0.54				
20B:							
Kempsville	45	Fair		Good		Fair	
		Low content of	0.13			Rock fragments	0.88
		organic matter Too acid	0.54			Too acid	0.98
		100 aciu	0.54				
Suffolk	30	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.76
		Too acid	0.21				
21A:							
Lanexa	80	Fair		Poor		Poor	
		Too acid	0.08	Depth to saturated zone	0.00	Depth to saturated zone	0.00
						Content of organic matter	0.00
						Too acid	0.50
Johnston	4	Not Rated		Not Rated		Not Rated	
Mattan	4	Not Rated		Not Rated		Not Rated	
Bohicket	3	Not Rated		Not Rated		Not Rated	
22A:							
Mattan	85	Not Rated		Poor		Not Rated	
				Depth to saturated zone	0.00		
Lanexa	5	Not Rated		Not Rated		Not Rated	
23A:							
Munden	85	Fair		Fair		Fair	
		Low content of organic matter	0.13	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Too acid	0.54			Too acid	0.98
24A:							
Nawney	75	Fair		Poor		Poor	
	. 0	Too acid	0.12	Depth to saturated zone	0.00	Depth to saturated zone	0.00
				Low strength Shrink-swell	0.00 0.95	Too acid	0.60
Tomotley	4	Not Rated		Not Rated	0.00	Not Rated	

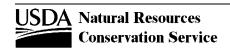


Map Symbol and Soil Name	Pct of	Potential Source of Reclaimation Ma		Potential Source of Roadfill		Potential Source of Topsoil	
u.u 00u0	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
24A:	•						•
Johnston	3	Not Rated		Not Rated		Not Rated	
Mattan	3	Not Rated		Not Rated		Not Rated	
Nimmo	3	Not Rated		Not Rated		Not Rated	
Lanexa	2	Not Rated		Not Rated		Not Rated	
25A:							
Nawney	75	Fair		Poor		Poor	
		Too acid	0.12	Depth to saturated	0.00	Depth to saturated	0.00
				zone Low strength Shrink-swell	0.00 0.95	zone Too acid	0.60
Tomotley	4	Not Rated		Not Rated		Not Rated	
Johnston	3	Not Rated		Not Rated		Not Rated	
Mattan	3	Not Rated		Not Rated		Not Rated	
Nimmo	3	Not Rated		Not Rated		Not Rated	
Lanexa	2	Not Rated		Not Rated		Not Rated	
26D:							
Nevarc	40	Poor		Fair		Poor	
		Too clayey	0.00	Depth to saturated	0.76	Too Clayey	0.00
		Low content of	0.13	zone	0.00	Slope	0.63
		organic matter Too acid	0.21	Shrink-swell  No strength limitation	0.99 >0.99	Depth to saturated zone	0.76
Remlik	35	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.30
		Low content of organic matter	0.13			Slope Too acid	0.63 0.76
		Too acid	0.21				
26E:							
Nevarc	40	Poor		Fair		Poor	
		Too clayey	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.13	Depth to saturated zone	0.76	Too Clayey Depth to saturated	0.00 0.76
		Too acid	0.21	Shrink-swell	0.99	zone	
Remlik	35	Poor		Fair		Poor	
		Wind erosion	0.00	Slope	0.50	Slope	0.00
		Low content of	0.13			Too sandy	0.30
		organic matter	0.01			Too acid	0.76
		Too acid	0.21				

Map Symbol and Soil Name	Pct of	Potential Sourc of Reclaimation Ma	Potential Source Potential Source Reclaimation Material of Roadfill		е	Potential Source of Topsoil		
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	
26F:								
Nevarc	40	Poor		Poor		Poor		
		Too clayey	0.00	Slope	0.00	Slope	0.00	
		Low content of	0.13	Depth to saturated	0.76	Too Clayey	0.00	
		organic matter Too acid	0.21	zone Shrink-swell	0.99	Depth to saturated zone	0.76	
Remlik	35	Poor		Poor		Poor		
		Wind erosion	0.00	Slope	0.00	Slope	0.00	
		Low content of organic matter	0.13			Too sandy Too acid	0.30 0.76	
		Too acid	0.21			100 acid	0.70	
27A:								
Nimmo	85	Fair		Poor		Poor		
		Too acid	0.12	Depth to saturated	0.00	Depth to saturated	0.00	
		Low content of	0.13	zone		zone		
		organic matter				Too acid	0.60	
Tomotley	4	Not Rated		Not Rated		Not Rated		
Nawney	3	Not Rated		Not Rated		Not Rated		
28B:								
Norfolk	85	Fair		Fair		Fair		
		Too acid	0.12	Low strength	0.78	Too acid	0.60	
		Low content of organic matter	0.13					
29B:								
Orangeburg	85	Fair		Good		Fair		
		Low content of organic matter	0.13			Too acid	0.88	
		Too acid	0.32					
30A:								
Pamunkey	85	Fair		Fair		Good		
		Low content of organic matter	0.13	Low strength	0.22			
		Too acid	0.97					
30B:								
Pamunkey	85	Fair		Fair		Good		
		Low content of organic matter	0.13	Low strength	0.22			
		Too acid	0.97					
31A:								



Map Symbol and Soil Name	Pct of	Potential Source of Reclaimation Material		Potential Source of Roadfill		Potential Source of Topsoil	
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
31A:					•		
Roanoke	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated	0.00	Depth to saturated	0.00
		Too acid Low content of	0.12 0.13	zone Low strength	0.00	zone Too Clayey	0.00
		organic matter	0.13	Shrink-swell	0.87	Too acid	0.60
Tomotley	5	Not Rated		Not Rated		Not Rated	
32A:							
Seabrook	80	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.01
		Too sandy	0.01				
		Low content of organic matter	0.13				
Nimmo	3	Not Rated		Not Rated		Not Rated	
Tomotley	2	Not Rated		Not Rated		Not Rated	
33A:							
Slagle	80	Fair		Fair		Fair	
		Too acid Low content of organic matter	0.12 0.13	Depth to saturated zone	0.76	Too acid Depth to saturated zone	0.60 0.76
34B:							
Slagle	50	Fair		Fair		Fair	
		Too acid	0.12	Depth to saturated	0.76	Too acid	0.60
		Low content of organic matter	0.13	zone		Depth to saturated zone	0.76
Emporia	35	Fair		Fair		Fair	
		Low content of organic matter	0.13	Low strength	0.22	Too acid	0.98
		Too acid	0.54				
35A:							
State	80	Fair		Fair		Fair	
		Too acid	0.12	Low strength	0.78	Too acid	0.60
		Low content of organic matter	0.13				
36B:							
Suffolk	80	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.76
		Too acid	0.21				
37A:							



Map Symbol and Soil Name	Pct of	of		Potential Source al of Roadfill		Potential Source of Topsoil	
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
37A:							
Tarboro	85	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.26
		Droughty Low content of organic matter	0.06 0.13			Rock fragments	0.88
38A:							
Tetotum	80	Fair		Poor		Fair	
		Too acid	0.12	Low strength	0.00	Depth to saturated	0.53
		Low content of	0.13	Depth to saturated	0.53	zone	
		organic matter Water erosion	0.99	zone		Too acid	0.60
Roanoke	5	Not Rated		Not Rated		Not Rated	
39A:							
Tomotley	85	Fair		Poor		Poor	
		Too acid Low content of	0.12 0.13	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		organic matter				Too acid	0.76
Johnston	3	Not Rated		Not Rated		Not Rated	
Nawney	2	Not Rated		Not Rated		Not Rated	
40B:							
Uchee	85	Poor		Good		Poor	
		Wind erosion	0.00	No shrink-swell	>0.99	Too sandy	0.00
		Too sandy	0.00	limitation		Too acid	0.88
		Too acid	0.32				
41B:							
Udorthents	80	Not Rated		Not Rated		Not Rated	
42A:							
Wahee	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Depth to saturated	0.00	Depth to saturated	0.00
		Low content of organic matter	0.13	zone Shrink-swell	0.90	zone Too acid	0.60
Roanoke	3	Not Rated		Not Rated		Not Rated	
Tomotley	2	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	

